89100

Application No. _

APPLICATION FOR PERMIT TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

THIS SPACE FOR OFF	
Date of Filing in State Engineer's Office	AUG 2 7 2019
Returned to applicant for correction	
Corrected Application filed Ma	ap filed <u>Jan 21, 2003 Under 69218</u>
The applicant Terra-Gen Dixic Valley, LLC	
0500 G	D
9590 Gateway Drive, Suite 200 of Street Address or P.O. Box	City or Town
Nevada 89521	ted@de-rocher.com
State and ZIP Code	E-mail Address
hereby make(s) application for permission to appropriate the	
(If applicant is a corporation, give date and place of incorp	poration; if a copartnership or association, give names of
members.)	e _d (_e) Nation
Incorporated in Delaware in 2007.	
	<u></u>
46 46 to 100 to	
1. The source of water is Underground	
	tream, lake, underground, spring or other sources.
2. The amount of water applied for is 4.50 CFS and 3,258.	
	te in cubic feet per second (CFS) AND duty in acre-feet annually (AFA).
(a) If stored in a reservoir give the number of acre-feet	
3. The water is to be used for Industrial - injection augments	
	commercial, domestic or other use. Must be limited to one major use.
4. If use is for:	
(b) Stockwater, state number and kind of animals	
(c) Other use (describe fully in No. 12) Industrial - Geothe	ermal Power Generation
(d) Power:	
(1) Horsepower developed	
(2) Point of return of system to stream	

Revised 06/17

The water is to be diverted from its source at the course and distance to a found section corner. If on unsurveyed land, it sh	following point: (Describe as being within a 40-acre subdivision of public survey, at	ıd b
	D.M. or at a point from which the North 1/4 corner of said Section	ı 7
bears N. 18026'06" E. 2087.1 feet.		
6. Place of use: (Describe by legal subdivision. If on unsurveyed l NW/4 Section 7, T24N, R37E, M.D.M.	land, it should be so stated)	
7. Use will begin about January 1	and end about December 31 of each year.	
Month and Day 8. Description of proposed works. (Under the provis specifications of your diversion or storage works. drilled well with a pump and motor, etc.)	Month and Day isions of NRS 535.010 you may be required to submit plans and .) (State manner in which water is to be diverted, i.e. diversion structure, ditches and flumes,	
Production well, injection wells and fluid distribution	on network consisting of pipelines and pumps.	
9. Estimated cost of works: \$3 Million		
10. Estimated time required to construct works: No	ne, existing production and injection wells and pipelines. (If the well is complete, describe works.)	
11. Estimated time required to complete the applicat	• /	
12. Provide a detailed description of the proposed pr provide a detailed description may cause a delay in processing.) Water from well 73W-7 will be used in a reservoir in tower evaporation. Multiple injection wells will be used.	roject and its water usage (use attachments if necessary): (Failure to njection augmentation program to replace water lost to cooling used to distribute the augmentation water. Location and use is changed the point of diversion on Base Rights under Permit 5453	
13. Miscellaneous remarks:		
ted@de-rocher.com	Ted DeRocher	
E-mail Address		
775-622-6311	Signature, applicant or agent	
Phone No. Ext.	Terra-Gen Dixie Valley, LLC Company Name	
APPLICATION MUST BE SIGNED BY THE APPLICANT OR AGENT	9590 Gateway Drive, Suite 200 Street Address or PO Box	
	Reno, Nevada 89521	

Revised 06/17 \$360 FILING FEE AND SUPPORTING MAP MUST ACCOMPANY APPLICATION

STATE OF NEVADA DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

9100 Log No Permit N Basin

PRINT OR TYPE ONLY Please complete this form in its entirety in DO NOT WRITE ON BACK accordance with NRS 534,170 and NAC 534,340 NOTICE OF INTENT NO. 50225 OWNER Calthness (Oxbow Geothermal) Dixie Valley ADDRESS AT WELL LOCATION _ MAILING ADDRESS 9790 Gateway Drive Reno, NV 89521 N/S R 37 E Churchill 2. LOCATION __SE__1/4 __NE_ __ T 24 County 1/4 Sec. 69217T Issued by Water Resources PERMIT NO. __ Subdivision Name Parcel No. 3. WORK PERFORMED PROPOSED USE **WELL TYPE** Rotery XRVC X New Well Domestic ☐ Cable Replace Recondition Initiation ☐ Test Abandon ☐ Stock í Air Deepen Other_ Municipal/industrial ... Monitor Other _ WELL CONSTRUCTION LITHOLOGIC LOG 8. Depth Cased 300 Depth Drilled 310 Feet Feet Water Thick-Materiot From To Strata ness HOLE DIAMETER (BIT SIZE) From Cobble and clay 0 19 0 Feet 50 Feet 36 Inches Sand and clay 25 19 44 26 Inches 50 Feet ___ 310 Feet Clay 44 50 6 ____kiches _____ Feet ____ Feet Sand and gravel with 50 157 107 **CASING SCHEDULE** cobbles Sand and gravel with Weight/Ft. (Pounds) Wall Thickness 157 Size O.D. From TΛ (Inches) cobbles 240 83 50 30 3/8 +1 Sandy clay 240 243 3 1.00 +1 80 17.4 DVC Sand and cobbles 243 310 67 Perforations: Type perforation Saw Cut Size perforation .100 Slot 80 feet to 300 feet From feet to.... From . feet ш feet to.... feet From . feet to..... From feet 11 feet From ___ feet to..... ä Seal Type: Surface Seal: X Yes No Depth of Seal 50' Neat Cement ш Placement Method: X Pumped X Cement Grout 2 Concrete Grout ☐ Poured Gravel Packed: X Yes No feet to 310 feet From 5 WATER LEVEL Static water level 59.2 feet below land surface G.P.M. ____P.S.i. Artesian flow Water temperature _____ Quality_ **DRILLER'S CERTIFICATION** This well was drilled under my supervision and the report is true to the 11/19/02 Date started best of my knowledge Date completed 11/20/02 Name Humboldt Drilling & Pump Co., Inc. **WELL TEST DATA** Address 4675 W. Winnemucca Blvd **TEST METHOD:** Bailer 🗌 Pump Air Lift 200 Draw Down Winnemucca, Nevada 89445 G.P.M. Time (Hours) (Feet Below Static) Nevada contractor's license number PL 129.8 2000+ 70.6 5 1/2 Hrs. issued by the State Contractor's Board 015234 Neveda driller's license number issued by the Division of Water Resources, the on-site driller 1713 Ter ning abdual drilling on-site or contractor

Signed

Date .

By driller perform 11/21/20

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